

2144  
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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 25 April 2005.

Kathryn Marley  
Kathryn Marley

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of inventor(s):

**Christophe Menzel et al.**Application No. **09/830,480**Confirmation No. **8158**Filing Date: **26 April 2001**Title: **Internet Based Hearing Assessment  
Methods**Group Art Unit: **2144**

Examiner: Gertrude Arthur Jeanglaude

**CUSTOMER NO. 22470**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL**

Sir:

Enclosed for filing in the above-referenced application are the following documents:

Information Disclosure Statement, PTO Form SB/08 and copies of 11 references.

PTO Form 2038 in the amount of \$180 to cover the IDS Fee.

**Fee Authorization.** The Commissioner is hereby authorized to charge underpayment of any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0869 (RXSD 1003-1). A copy of this authorization is enclosed.

Respectfully submitted,

Dated: 22 April 2005

Mark A. Haynes  
Mark A. Haynes, Reg. No. 30,846

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**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56.

Enclosed with this statement is a Form PTO-SB/08. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. 609.

Also enclosed with this statement is a copy of each cited document as required by 37 C.F.R. 1.98. The exception to this, in accordance with the 05 August 2003 Official Gazette Notice in which the USPTO waives the requirement for submitting copies of U.S. Patent and Publications for cases filed after 30 June 2003, is that copies of U.S. Patent documents and copies of U.S. Patent publications are not being submitted.

This statement should be considered under 37 C.F.R. 1.97(c) because it is being filed before the mailing date of a FINAL office action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first, AND it is accompanied by the \$180 fee set forth in 37 C.F.R. 1.17(p).

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04/27/2005 ZJUHAR1 00000014 09380480  
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APR 27 2005

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

|                      |                            |
|----------------------|----------------------------|
| Application Number   | 09/830,480                 |
| Filing Date          | 26 April 2001              |
| First Named Inventor | Christoph Menzel           |
| Group Art Unit       | 2144                       |
| Examiner Name        | Gertrude Arthur Jeanglaude |

Attorney Docket Number

RXSD 1003-1

### U.S. PATENT DOCUMENTS

| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
|                                |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
| A1                             | 4,902,274             |                      |                                   | Gleeson, III                                    | 02-1990  |   |
| A2                             | 5,774,216             |                      |                                   | Priddy et al.                                   | 06-1998  |   |
| A3                             | 6,201,875             |                      |                                   | Davis et al.                                    | 03-2001  |   |
| A4                             | 6,379,314             |                      |                                   | Horn  | 04-2002  |   |
| A5                             |                       |                      |                                   |   |  |   |
| A6                             |                       |                      |                                   |   |  |   |
| A7                             |                       |                      |                                   |   |  |   |
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| A11                            |                       |                      |                                   |   |  |   |
| A12                            |                       |                      |                                   |   |  |   |
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| A14                            |                       |                      |                                   |   |  |   |
| A15                            |                       |                      |                                   |   |  |   |
| A16                            |                       |                      |                                   |   |  |   |
| A17                            |                       |                      |                                   |   |  |   |
| A18                            |                       |                      |                                   |   |  |   |
| A19                            |                       |                      |                                   |   |  |   |
| A20                            |                       |                      |                                   |   |  |   |

### FOREIGN PATENT DOCUMENTS

| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|--------------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
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| B9                             |                       |                         |                     |                                   |   |  |   |                |
| B10                            |                       |                         |                     |                                   |   |  |   |                |

Examiner  
Signature

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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| Group Art Unit         | 2144                       |
| Examiner Name          | Gertrude Arthur Jeanglaude |
| Attorney Docket Number | RXSD 1003-1                |

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.      | T <sup>2</sup> |
|--------------------------------|-----------------------|--|----------------|
|                                | C1                    | F. Basile, "Using the Windows Volume Control Mixer," <a href="http://www.cakewalk.com/Support/Lessons/WindowsMixer.htm">http://www.cakewalk.com/Support/Lessons/WindowsMixer.htm</a> , 2001. Twelve Tone Systems, Inc.   |                |
|                                | C2                    | J. R. STUART and R. J. WILSON, "Dynamic Range Enhancement using Noise-Shaped Dither at 44.1, 48 and 96 kHz," Presented at the 100th AES Convention, 1996, May 11-14, pp. 1-19, Copenhagen.   |                |
|                                | C3                    | R. A. WANNAMAKER, "Subtractive and Non-Subtractive Dithering: A Comparative Analysis," Presented at the 97th AES Convention, 1994, November 10-13, pp. 1-38, San Francisco.  |                |
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|                                | C5                    | J. R. STUART, "Noise: Methods for Estimating Detectability and Threshold," Presented at the 94th AES Convention, 1993, March 16-19, pp. 1-24, Berlin.  |                |
|                                | C6                    | J. R. STUART and R. J. WILSON, "A Search for Efficient Dither for DSP Applications," Presented at the 92nd AES Convention, 1992, March 24-27, pp. 1-32, Vienna.  |                |
|                                | C7                    | J. R. STUART, "Predicting the Audibility, Detectability, and Loudness of Errors in Audio Systems," Presented at the 91st AES Convention, 1991, October 4-8, pp. 1-28, New York.  |                |
|                                | C8                    | J. R. STUART, "Estimating the Significance of Errors in Audio Systems," Presented at the 91st AES Convention, 1991, October 4-8, pp. 1-17, New York.   |                |
|                                | C9                    | <a href="http://cas.et.tudelft.nl/~wissce/reports/giaco/subsection3.5.4.2.html">http://cas.et.tudelft.nl/~wissce/reports/giaco/subsection3.5.4.2.html</a> Amplitude Quantization Error consisting of 1 page, downloaded on 30 May 2001. Date of publication unknown. |                |
|                                | C10                   | <a href="http://www.its.bldrdoc.gov/projects/t1glossary2000/_quantization.html">http://www.its.bldrdoc.gov/projects/t1glossary2000/_quantization.html</a> "Quantization" consisting of 1 page downloaded on 31 October 2001. Date of publication unknown.            |                |
|                                | C11                   | <a href="http://www.sfu.ca/sca/Manuals/ZAAPf/q/quantization_error.html">http://www.sfu.ca/sca/Manuals/ZAAPf/q/quantization_error.html</a> "Quantization Error" consisting of 1 page, downloaded on 31 October 2001. Date of publication unknown.                     |                |

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